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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Ciprian Chelba et al.

Appln. No. : 10/810,254

Filed : March 26, 2004

For : REPRESENTATION OF A DELETED
INTERPOLATION N-GRAM
LANGUAGE MODEL IN ARPA
STANDARD FORMAT

Group Art Unit: 2654

Examiner:

Docket No.: M61.12-0625

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

26th DAY OF January, 2005.
[Signature]
PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

2. after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

- A. ☐ a statement as specified in 37 C.F.R. § 1.97(e).
- B. ☐ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. ☐ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:
- A. a statement as specified in 37 C.F.R. § 1.97(e);
 - B. the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

☐ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

METHOD OF PAYMENT

 X No fee is required.

 Attached is a check in the amount of \$.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.


Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

Theodore M. Magee, Reg. No. 39,758
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222
Fax: (612) 334-3312

TMM:cnn

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| FORM PTO-1449 | Atty. Docket No.: M61.12-0625 | Appl. No.: 10-810,254 |
|  <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> | First Named Inventor: | |
| | Ciprian Chelba et al. | |
| | Filing Date | Group Art: |
| | March 26, 2004 | 2654 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|------|------|-------|-----------|----------------------------|
| AA | | | | | | |
| AB | | | | | | |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
| AF | | | | | | |
| AG | | | | | | |
| AH | | | | | | |
| AI | | | | | | |
| AJ | | | | | | |
| AK | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----|--|
| AL | Dempster, A.P., et al., "Maximum Likelihood from Incomplete Data Via the EM Algorithm," Journal of the Royal Statistical Society, Vol. 39 of B, pages 1-38, 1977. |
| AM | Jelinek, F., et al., "Interpolated Estimation of Markov Source Parameters from Sparse Data," E. Gelsema and L. Kanal, editors, Pattern Recognition in Practice, pages 381-397, 1980. |
| AN | Paul, D.B., et al, "The Design for the Wall Street Journal-Based CSR Corpus," Proceedings of the DARPA SLS Workshop, February 1992. |
| AO | Seymore, K., et al., "Scalable Back-Off Language Models," Proceedings ICSLP, Vol. 1, pages 232-235, Philadelphia, 1996. |
| AP | Stolcke, A., "Entropy-Based Pruning of Back-Office Language Models," Proceedings of News Transcription and Understanding Workshop, pages 270-274, Lansdowne, VA 1998, DARPA. |
| AQ | S. Katz, "Estimation of Probabilities From Sparse Data for the Language Model Component of a Speech Recognizer." In <i>IEEE Transactions on Acoustics, Speech and Signal Processing</i> , volume 35, pages 400-01, March 1987, |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.